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NEWS 6 OCT 10 PCTFULL: Two new display fields added
NEWS 7 OCT 21 BIOSIS file reloaded and enhanced
NEWS 8 OCT 28 BIOSIS file segment of TOXCENTER reloaded and enhanced
NEWS 9 NOV 24 MSDS-CCOHS file reloaded
NEWS 10 DEC 08 CABAB reloaded with left truncation
NEWS 11 DEC 08 IMS file names changed
NEWS 12 DEC 09 Experimental property data collected by CAS now available in REGISTRY
NEWS 13 DEC 09 STN Entry Date available for display in REGISTRY and CA/CAplus
NEWS 14 DEC 17 DGENE: Two new display fields added
NEWS 15 DEC 18 BIOTECHNO no longer updated
NEWS 16 DEC 19 CROPU no longer updated; subscriber discount no longer available
NEWS 17 DEC 22 Additional INPI reactions and pre-1907 documents added to CAS databases
NEWS 18 DEC 22 IFIPAT/IFIUDB/IFICDB reloaded with new data and search fields
NEWS 19 DEC 22 ABI-INFORM now available on STN
NEWS 20 JAN 27 Source of Registration (SR) information in REGISTRY updated and searchable
NEWS 21 JAN 27 A new search aid, the Company Name Thesaurus, available in CA/CAplus
NEWS 22 FEB 05 German (DE) application and patent publication number format changes

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STRUCTURE FILE UPDATES: 29 FEB 2004 HIGHEST RN 656221-41-98
DICTIONARY FILE UPDATES: 29 FEB 2004 HIGHEST RN 656221-41-99

TSCA INFORMATION NOW CURRENT THROUGH JULY 14, 2003

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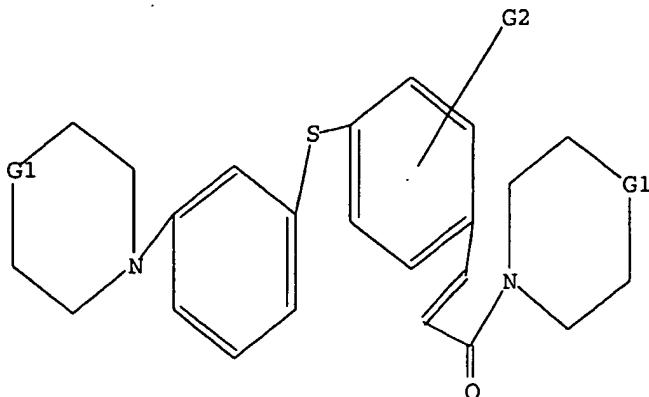
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Experimental and calculated property data are now available. For more information enter HELP PROP at an arrow prompt in the file or refer to the file summary sheet on the web at:
<http://www.cas.org/ONLINE/DBSS/registryss.html>

```
=> Uploading c:\program files\stnexp\queries\09541795.11
```

L1 STRUCTURE UPLOADED

=> d 11
L1 HAS NO ANSWERS
L1 STR



G1 C,O,S,N,NH,CH2,CH

G2 CF3,X

Structure attributes must be viewed using STN Express query preparation.

=> s 11 sss full
 FULL SEARCH INITIATED 16:18:22 FILE 'REGISTRY'
 FULL SCREEN SEARCH COMPLETED - 37 TO ITERATE

100.0% PROCESSED 37 ITERATIONS 28 ANSWERS
 SEARCH TIME: 00.00.01

L2 28 SEA SSS FUL L1

=> file caplus
 COST IN U.S. DOLLARS SINCE FILE TOTAL
 FULL ESTIMATED COST ENTRY SESSION
 155.42 155.63

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FILE COVERS 1907 - 1 Mar 2004 VOL 140 ISS 10
 FILE LAST UPDATED: 29 Feb 2004 (20040229/ED)

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=> s 12
 L3 2 L2

=> d 13 fbib hitstr abs total

L3 ANSWER 1 OF 2 CAPLUS COPYRIGHT 2004 ACS on STN
 AN 2000:725609 CAPLUS
 DN 133:296281
 TI Preparation of 2- or 4-(phenylthio)cinnamides as cell adhesion-inhibiting antiinflammatory and immune-suppressive compounds
 IN Link, James; Liu, Gang; Pei, Zhonghua; Von Geldern, Thomas W.; Winn, Martin; Xin, Zhili; Wang, Sheldon; Boyd, Steven A.; Zhu, Gui-Dong; Freeman, Jennifer C.; Gunawardana, Indrani W.; Staeger, Michael A.; Jae, Hwan-soo; Lynch, John K.
 PA Abbott Laboratories, USA
 SO PCT Int. Appl., 476 pp.
 CODEN: PIXXD2
 DT Patent
 LA English
 FAN.CNT 1

PATENT NO. KIND DATE APPLICATION NO. DATE

PI WO 2000059880 A1 20001012 WO 2000-US8895 20000403
 W: AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, CA, CH, CN, CR,
 CU, CZ, DE, DK, DM, DZ, EE, ES, FI, GB, GD, GE, GH, GM, HR, HU,
 ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU,
 LV, MA, MD, MG, MK, MN, MW, MX, NO, NZ, PL, PT, RO, RU, SD, SE,
 SG, SI, SK, SL, TJ, TM, TR, TT, TZ, UA, UG, UZ, VN, YU, ZA, ZW,
 AM, AZ, BY, KG, KZ, MD, RU, TJ, TM
 RW: GH, GM, KE, LS, MW, SD, SL, SZ, TZ, UG, ZW, AT, BE, CH, CY, DE,
 DK, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE, BF, BJ, CF,
 CG, CI, CM, GA, GN, GW, ML, MR, NE, SN, TD, TG
 US 1999-286645 A 19990402
 US 1999-474517 A 19991229
 US 2000-541795 A 20000331

EP 1165505 A1 20020102 EP 2000-921654 20000403
 R: AT, BE, CH, DE, DK, ES, FR, GB, GR, IT, LI, LU, NL, SE, MC, PT,
 IE, SI, LT, LV, FI, RO
 US 1999-286645 A 19990402
 US 1999-474517 A 19991229
 WO 2000-US8895 W 20000403

BR 2000009426 A 20020409 BR 2000-9426 20000403
 US 1999-286645 A 19990402
 US 1999-474517 A 19991229
 US 2000-541795 A 20000331
 WO 2000-US8895 W 20000403

EE 200100513 A 20021216 EE 2001-513 20000403
 US 1999-286645 A 19990402
 US 1999-474517 A 19991229
 US 2000-541795 A 20000331
 WO 2000-US8895 W 20000403

NO 2001004767 A 20011130 NO 2001-4767 20011001
 US 1999-286645 A 19990402
 US 1999-474517 A 19991229
 WO 2000-US8895 W 20000403

BG 106029 A 20020531 BG 2001-106029 20011018

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NEWS 14 DEC 17 DGENE: Two new display fields added
NEWS 15 DEC 18 BIOTECHNO no longer updated
NEWS 16 DEC 19 CROPU no longer updated; subscriber discount no longer available
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NEWS 19 DEC 22 ABI-INFORM now available on STN
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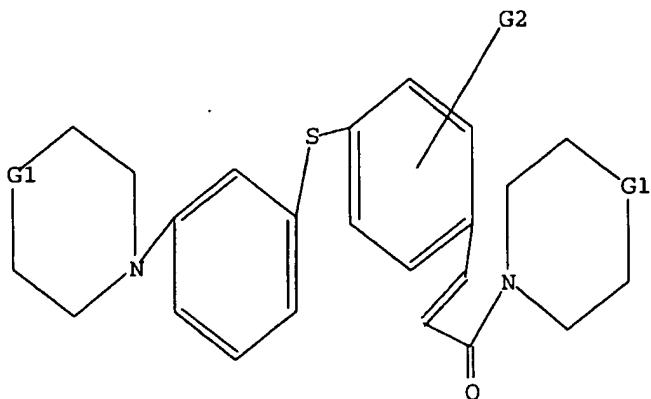
Crossover limits have been increased. See **HELP CROSSOVER** for details.

Experimental and calculated property data are now available. For more information enter HELP PROP at an arrow prompt in the file or refer to the file summary sheet on the web at:
<http://www.cas.org/ONLINE/DBSS/registryss.html>

=>
Uploading c:\program files\stnexp\queries\09541795.11 .

L1 STRUCTURE UPLOADED

=> d 11
L1 HAS NO ANSWERS
L1 STR

G1 C,O,S,N,NH,CH₂,CHG2 CF₃,X

Structure attributes must be viewed using STN Express query preparation.

```
=> s 11 sss full
FULL SEARCH INITIATED 16:18:22 FILE 'REGISTRY'
FULL SCREEN SEARCH COMPLETED - 37 TO ITERATE
```

```
100.0% PROCESSED 37 ITERATIONS 28 ANSWERS
SEARCH TIME: 00.00.01
```

```
L2 28 SEA SSS FUL L1
```

=> file caplus		SINCE FILE	TOTAL
COST IN U.S. DOLLARS		ENTRY	SESSION
FULL ESTIMATED COST		155.42	155.63

```
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=> file reg
COST IN U.S. DOLLARS
SINCE FILE
ENTRY
TOTAL
SESSION
0.21
0.21
FULL ESTIMATED COST

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DICTIONARY FILE UPDATES: 29 FEB 2004 HIGHEST RN 656221-41-9

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<http://www.cas.org/ONLINE/DBSS/registryss.html>

=> Uploading c:\program files\stnexp\queries\09541795.13

L1 STRUCTURE UPLOADED

=> d 11
L1 HAS NO ANSWERS
L1 STP
*** STRUCTURE DIAGR

Structure attributes must be viewed using STN Express query preparation.

=> S 11 SSS FULL
FULL SEARCH INITIATED 16:42:43 FILE 'REGISTRY'
FULL SCREEN SEARCH COMPLETED - 441 TO ITERATE

100.0% PROCESSED 441 ITERATIONS 106 ANSWERS
SEARCH TIME: 00.00.01

106 SEA SSS EUL 11

=> file caplus

COST IN U.S. DOLLARS	SINCE FILE ENTRY	TOTAL SESSION
FULL ESTIMATED COST	155.42	155.63

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```
=> s 12
L3          4 L2

=> d 13 fbib hitstr abs total

L3  ANSWER 1 OF 4  CAPLUS  COPYRIGHT 2004 ACS on STN
AN  2003:235035  CAPLUS
DN  139:285618
TI  QSAR Study on Some p-Arylthio Cinnamides as Antagonists of Biochemical ICAM-1/LFA-1 Interaction and ICAM-1/JY-8 Cell Adhesion in Relation to Anti-inflammatory Activity
AU  Debnath, Bikash; Samanta, Soma; Roy, Kunal; Jha, Tarun
CS  Department of Pharmaceutical Technology, Division of Pharmaceutical and Medicinal Chemistry, Jadavpur University, Kolkata, 700 032, India
SO  Bioorganic & Medicinal Chemistry (2003), 11(8), 1615-1619
    CODEN: BMECEP; ISSN: 0968-0896
PB  Elsevier Science Ltd.
DT  Journal
LA  English
IT  609841-80-7 609841-90-9 609841-91-0
    609841-95-4 609841-96-5 609841-97-6
    609842-01-5 609842-02-6 609842-03-7
    RL: PAC (Pharmacological activity); PRP (Properties); THU (Therapeutic use); BIOL (Biological study); USES (Uses)
    (QSAR study on arylthio cinnamides as antagonists of biochem.
    ICAM-1/LFA-1 interaction and ICAM-1/JY-8 cell adhesion)
RN  609841-80-7  CAPLUS
CN  Morpholine, 4-[3-[3-chloro-4-[(2-methoxyphenyl)thio]phenyl]-1-oxo-2-propenyl]- (9CI) (CA INDEX NAME)
```

✓ Feb 6
27/2006

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FILE 'REGISTRY' ENTERED AT 16:42:11 ON 01 MAR 2004
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<http://www.cas.org/ONLINE/DBSS/registryss.html>

=> Uploading c:\program files\stnexp\queries\09541795.13

L1 STRUCTURE UPLOADED

```
=> d 11
L1 HAS NO ANSWERS
L1           STR
*** STRUCTURE DIAGRAM IS NOT AVAILABLE ***
```

Structure attributes must be viewed using STN Express query preparation.

```
=> S 11 SSS full
FULL SEARCH INITIATED 16:42:43 FILE 'REGISTRY'
FULL SCREEN SEARCH COMPLETED - 441 TO ITERATE
```

100.0% PROCESSED 441 ITERATIONS 106 ANSWERS
SEARCH TIME: 00.00.01

L2 106 SEA SSS EUL 1.1

=> file caplus

COST IN U.S. DOLLARS	SINCE FILE ENTRY	TOTAL SESSION
FULL ESTIMATED COST	155.42	155.63

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This file contains CAS Registry Numbers for easy and accurate substance identification.

=> s 12
 L3 4 L2

=> d 13 fbib hitstr abs total

L3 ANSWER 1 OF 4 CAPLUS COPYRIGHT 2004 ACS on STN
 AN 2003:235035 CAPLUS
 DN 139:285618
 TI QSAR Study on Some p-Arylthio Cinnamides as Antagonists of Biochemical ICAM-1/LFA-1 Interaction and ICAM-1/JY-8 Cell Adhesion in Relation to Anti-inflammatory Activity
 AU Debnath, Bikash; Samanta, Soma; Roy, Kunal; Jha, Tarun
 CS Department of Pharmaceutical Technology, Division of Pharmaceutical and Medicinal Chemistry, Jadavpur University, Kolkata, 700 032, India
 SO Bioorganic & Medicinal Chemistry (2003), 11(8), 1615-1619
 CODEN: BMECEP; ISSN: 0968-0896
 PB Elsevier Science Ltd.
 DT Journal
 LA English
 IT 609841-80-7 609841-90-9 609841-91-0
 609841-95-4 609841-96-5 609841-97-6
 609842-01-5 609842-02-6 609842-03-7
 RL: PAC (Pharmacological activity); PRP (Properties); THU (Therapeutic use); BIOL (Biological study); USES (Uses)
 (QSAR study on arylthio cinnamides as antagonists of biochem.
 ICAM-1/LFA-1 interaction and ICAM-1/JY-8 cell adhesion)
 RN 609841-80-7 CAPLUS
 CN Morpholine, 4-[3-[3-chloro-4-[(2-methoxyphenyl)thio]phenyl]-1-oxo-2-propenyl]- (9CI) (CA INDEX NAME)

Spelton
2/19/01
TBS

Welcome to STN International! Enter x:x

LOGINID: sssptal611sxp

PASSWORD:

TERMINAL (ENTER 1, 2, 3, OR ?):2

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FILE 'REGISTRY' ENTERED AT 16:50:03 ON 01 MAR 2004
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STRUCTURE FILE UPDATES: 29 FEB 2004 HIGHEST RN 656221-41-9
DICTIONARY FILE UPDATES: 29 FEB 2004 HIGHEST RN 656221-41-9

TSCA: INFORMATION NOW CURRENT THROUGH JULY 14, 2003

Please note that search-term pricing does apply when conducting SmartSELECT searches.

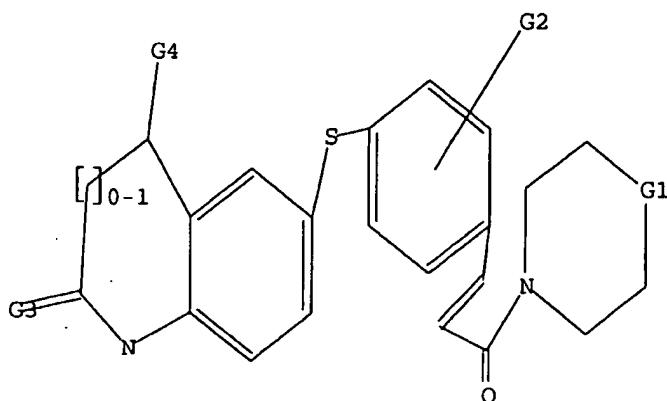
Crossover limits have been increased. See HELP CROSSOVER for details.

Experimental and calculated property data are now available. For more information enter HELP PROP at an arrow prompt in the file or refer to the file summary sheet on the web at:
<http://www.cas.org/ONLINE/DBSS/registryas.html>

=> Uploading c:\program files\stnexp\queries\09541795 16

L1 STRUCTURE UPLOADED

=> d 11
L1 HAS NO ANSWERS
L1 STR



G1 C,O,S,N,NH,CH2,CH

G2 CF3,X

G3 H,O

G4 C,O,S,N,CH2,CH

Structure attributes must be viewed using STN Express query preparation.

```
=> s 11 sss full
FULL SEARCH INITIATED 16:50:30 FILE 'REGISTRY'
FULL SCREEN SEARCH COMPLETED - 48 TO ITERATE
```

```
100.0% PROCESSED 48 ITERATIONS 0 ANSWERS
SEARCH TIME: 00.00.01
```

L2 0 SEA SSS FUL L1

```
=> file marpat
COST IN U.S. DOLLARS SINCE FILE TOTAL
COST ESTIMATED ENTRY SESSION
155.42 155.63
```

```
FILE 'MARPAT' ENTERED AT 16:50:39 ON 01 MAR 2004
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```

FILE CONTENT: 1988-PRESENT (VOL 140 ISS 09) (20040227/ED)

MOST RECENT CITATIONS FOR PATENTS FROM FIVE MAJOR ISSUING AGENCIES
(COVERAGE TO THESE DATES IS NOT COMPLETE):

```
US 6683216 27 JAN 2004
DE 10317487 05 FEB 2004
EP 1388584 11 FEB 2004
JP 2004035475 05 FEB 2004
WO 2004009876 29 JAN 2004
```

Structure search limits have been raised. See HELP SLIMIT for the new, higher limits.

=> s 11 sss full
 FULL SEARCH INITIATED 16:50:47 FILE 'MARPAT'
 FULL SCREEN SEARCH COMPLETED - 4167 TO ITERATE

100.0% PROCESSED 4167 ITERATIONS 0 ANSWERS
 SEARCH TIME: 00.00.18

L3 0 SEA SSS FUL L1

=> file caold
 COST IN U.S. DOLLARS SINCE FILE TOTAL
 FULL ESTIMATED COST ENTRY SESSION
 109.42 265.05

FILE 'CAOLD' ENTERED AT 16:51:12 ON 01 MAR 2004
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FILE COVERS 1907-1966
 FILE LAST UPDATED: 01 May 1997 (19970501/UP)

This file contains CAS Registry Numbers for easy and accurate substance identification. Title keywords, authors, patent assignees, and patent information, e.g., patent numbers, are now searchable from 1907-1966. TIFF images of CA abstracts printed between 1907-1966 are available in the PAGE display formats.

This file supports REGISTRY for direct browsing and searching of all substance data from the REGISTRY file. Enter HELP FIRST for more information.

=> s 11 sss full
REGISTRY INITIATED
 Substance data SEARCH and crossover from CAS REGISTRY in progress...
 Use DISPLAY HITSTR (or FHITSTR) to directly view retrieved structures.

FULL SEARCH INITIATED 16:51:22 FILE 'REGISTRY'
 FULL SCREEN SEARCH COMPLETED - 48 TO ITERATE

100.0% PROCESSED 48 ITERATIONS 0 ANSWERS
 SEARCH TIME: 00.00.01

L4 0 SEA SSS FUL L1

L5 0 L4

=> log y
 COST IN U.S. DOLLARS SINCE FILE TOTAL
 ENTRY SESSION

Welcome to STN International! Enter x:x

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PASSWORD:

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NEWS 9 NOV 24 MSDS-CCOHS file reloaded
NEWS 10 DEC 08 CABAB reloaded with left truncation
NEWS 11 DEC 08 IMS file names changed
NEWS 12 DEC 09 Experimental property data collected by CAS now available in REGISTRY
NEWS 13 DEC 09 STN Entry Date available for display in REGISTRY and CA/Cplus
NEWS 14 DEC 17 DGENE: Two new display fields added
NEWS 15 DEC 18 BIOTECHNO no longer updated
NEWS 16 DEC 19 CROPU no longer updated; subscriber discount no longer available
NEWS 17 DEC 22 Additional INPI reactions and pre-1907 documents added to CAS databases
NEWS 18 DEC 22 IFIPAT/IFIUDB/IFICDB reloaded with new data and search fields
NEWS 19 DEC 22 ABI-INFORM now available on STN
NEWS 20 JAN 27 Source of Registration (SR) information in REGISTRY updated and searchable
NEWS 21 JAN 27 A new search aid, the Company Name Thesaurus, available in CA/Cplus
NEWS 22 FEB 05 German (DE) application and patent publication number format changes

NEWS EXPRESS DECEMBER 28 CURRENT WINDOWS VERSION IS V7.00, CURRENT MACINTOSH VERSION IS V6.0b(ENG) AND V6.0Jb(JP), AND CURRENT DISCOVER FILE IS DATED 23 SEPTEMBER 2003
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NEWS PHONE Direct Dial and Telecommunication Network Access to STN
NEWS WWW CAS World Wide Web Site (general information)

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DICTIONARY FILE UPDATES: 29 FEB 2004 HIGHEST RN 656221-41-9

TSCA INFORMATION NOW CURRENT THROUGH JULY 14, 2003

Please note that search-term pricing does apply when conducting SmartSELECT searches.

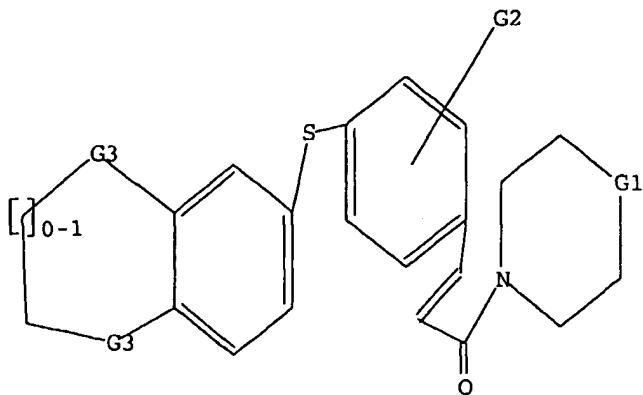
Crossover limits have been increased. See **HELP CROSSOVER** for details.

Experimental and calculated property data are now available. For more information enter HELP PROP at an arrow prompt in the file or refer to the file summary sheet on the web at:
<http://www.cas.org/ONLINE/DBSS/registryss.html>

=> Uploading c:\program files\stnexp\queries\09541795.17

STRUCTURE UPLOADED

=> d 11
L1 HAS NO ANSWERS
L1 STR



G1 C,O,S,N,NH,CH₂,CH

G2 CF₃,X

G3 C,O,S,N

Structure attributes must be viewed using STN Express query preparation.

=> s 11 sss full
 FULL SEARCH INITIATED 16:55:18 FILE 'REGISTRY'
 FULL SCREEN SEARCH COMPLETED - 610 TO ITERATE

100.0% PROCESSED 610 ITERATIONS 67 ANSWERS
 SEARCH TIME: 00.00.01

L2 67 SEA SSS FUL L1

=> file marpat	SINCE FILE	TOTAL
COST IN U.S. DOLLARS	ENTRY	SESSION
FULL ESTIMATED COST	155.42	155.63

FILE 'MARPAT' ENTERED AT 16:55:26 ON 01 MAR 2004
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 (COVERAGE TO THESE DATES IS NOT COMPLETE):

US	6683216	27 JAN 2004
DE	10317487	05 FEB 2004
EP	1388584	11 FEB 2004
JP	2004035475	05 FEB 2004
WO	2004009876	29 JAN 2004

Structure search limits have been raised. See HELP SLIMIT for the new, higher limits.

57202-213pm

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NEWS 9 NOV 24 MSDS-CCOHS file reloaded
NEWS 10 DEC 08 CABAB reloaded with left truncation
NEWS 11 DEC 08 IMS file names changed
NEWS 12 DEC 09 Experimental property data collected by CAS now available in REGISTRY
NEWS 13 DEC 09 STN Entry Date available for display in REGISTRY and CA/Caplus
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NEWS 15 DEC 18 BIOTECHNO no longer updated
NEWS 16 DEC 19 CROPU no longer updated; subscriber discount no longer available
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NEWS 19 DEC 22 ABI-INFORM now available on STN
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NEWS 21 JAN 27 A new search aid, the Company Name Thesaurus, available in CA/Caplus
NEWS 22 FEB 05 German (DE) application and patent publication number format changes

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NEWS WWW CAS World Wide Web Site (general information)

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FILE 'REGISTRY' ENTERED AT 17:02:40 ON 01 MAR 2004
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STRUCTURE FILE UPDATES: 29 FEB 2004 HIGHEST RN 656221-41-9
DICTIONARY FILE UPDATES: 29 FEB 2004 HIGHEST RN 656221-41-9

TSCA INFORMATION NOW CURRENT THROUGH JULY 14, 2003

Please note that search-term pricing does apply when conducting SmartSELECT searches.

Crossover limits have been increased. See **HELP CROSSOVER** for details.

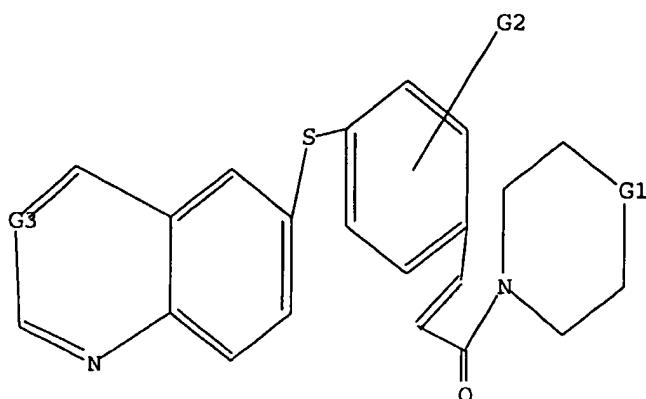
Experimental and calculated property data are now available. For more information enter HELP PROP at an arrow prompt in the file or refer to the file summary sheet on the web at:

For more information, check on the web at:
<http://www.cas.org/ONLINE/DBSS/registryss.html>

```
=> Uploading c:\program files\stnexp\queries\09541795.18
```

L1 STRUCTURE UPLOADED

=> d 11
L1 HAS NO ANSWERS
L1 STR



G1 C,O,S,N,NH,CH2,CH

G2 CF3,X

G3 C,O,S,N,CH

Structure attributes must be viewed using STN Express query preparation.

=> s 11 sss full
 FULL SEARCH INITIATED 17:03:06 FILE 'REGISTRY'
 FULL SCREEN SEARCH COMPLETED - 63 TO ITERATE

100.0% PROCESSED 63 ITERATIONS 0 ANSWERS
 SEARCH TIME: 00.00.01

L2 0 SEA SSS FUL L1

| | | | |
|----------------------|--|------------|---------|
| => file marpat | | SINCE FILE | TOTAL |
| COST IN U.S. DOLLARS | | ENTRY | SESSION |
| FULL ESTIMATED COST | | 155.42 | 155.63 |

FILE 'MARPAT' ENTERED AT 17:03:12 ON 01 MAR 2004
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| US | 6683216 | 27 JAN 2004 |
| DE | 10317487 | 05 FEB 2004 |
| EP | 1388584 | 11 FEB 2004 |
| JP | 2004035475 | 05 FEB 2004 |
| WO | 2004009876 | 29 JAN 2004 |

Structure search limits have been raised. See HELP SLIMIT for the new, higher limits.

=> s 11 sss full
 FULL SEARCH INITIATED 17:03:18 FILE 'MARPAT'
 FULL SCREEN SEARCH COMPLETED - 4267 TO ITERATE

100.0% PROCESSED 4267 ITERATIONS 0 ANSWERS
 SEARCH TIME: 00.00.11

L3 0 SEA SSS FUL L1

=> file caold
 COST IN U.S. DOLLARS SINCE FILE TOTAL
 FULL ESTIMATED COST ENTRY SESSION
 109.42 265.05

FILE 'CAOLD' ENTERED AT 17:03:35 ON 01 MAR 2004
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FILE COVERS 1907-1966
 FILE LAST UPDATED: 01 May 1997 (19970501/UP)

This file contains CAS Registry Numbers for easy and accurate substance identification. Title keywords, authors, patent assignees, and patent information, e.g., patent numbers, are now searchable from 1907-1966. TIFF images of CA abstracts printed between 1907-1966 are available in the PAGE display formats.

This file supports REGISTRY for direct browsing and searching of all substance data from the REGISTRY file. Enter HELP FIRST for more information.

=> s 11 sss full
REGISTRY INITIATED
 Substance data SEARCH and crossover from CAS REGISTRY in progress...
 Use DISPLAY HITSTR (or FHITSTR) to directly view retrieved structures.

FULL SEARCH INITIATED 17:03:41 FILE 'REGISTRY'
 FULL SCREEN SEARCH COMPLETED - 63 TO ITERATE

100.0% PROCESSED 63 ITERATIONS 0 ANSWERS
 SEARCH TIME: 00.00.01

L4 0 SEA SSS FUL L1

L5 0 L4
 => log y
 COST IN U.S. DOLLARS SINCE FILE TOTAL
 FULL ESTIMATED COST ENTRY SESSION
 0.42 421.31

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NEWS 8 OCT 28 BIOSIS file segment of TOXCENTER reloaded and enhanced
NEWS 9 NOV 24 MSDS-CCOHS file reloaded
NEWS 10 DEC 08 CABA reloaded with left truncation
NEWS 11 DEC 08 IMS file names changed
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NEWS 22 FEB 05 German (DE) application and patent publication number format changes

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STRUCTURE FILE UPDATES: 29 FEB 2004 HIGHEST RN 656221-41-9
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TSCA INFORMATION NOW CURRENT THROUGH JULY 14, 2003

Please note that search-term pricing does apply when conducting SmartSELECT searches.

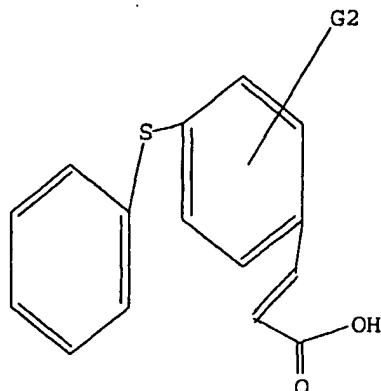
Crossover limits have been increased. See **HELP CROSSOVER** for details.

Experimental and calculated property data are now available. For more information enter HELP PROP at an arrow prompt in the file or refer to the file summary sheet on the web at:
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=>
Uploading c:\program files\stnexp\queries\09541795.19

L1 STRUCTURE UPLOADED

=> d 11
L1 HAS NO ANSWERS
L1 STR

G1 C,O,S,N,NH,CH₂,CHG2 CF₃,X

G3 C,O,S,N,CH

Structure attributes must be viewed using STN Express query preparation.

=> s 11 sss full
 FULL SEARCH INITIATED 17:06:47 FILE 'REGISTRY'
 FULL SCREEN SEARCH COMPLETED - 173 TO ITERATE

100.0% PROCESSED 173 ITERATIONS 18 ANSWERS
 SEARCH TIME: 00.00.01

L2 18 SEA SSS FUL L1

| | | | |
|----------------------|------------|---------|--|
| => file marpat | | | |
| COST IN U.S. DOLLARS | SINCE FILE | TOTAL | |
| FULL ESTIMATED COST | ENTRY | SESSION | |
| | 155.42 | 155.63 | |

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| EP | 1388584 | 11 FEB 2004 |
| JP | 2004035475 | 05 FEB 2004 |
| WO | 2004009876 | 29 JAN 2004 |

Structure search limits have been raised. See HELP SLIMIT for the new, higher limits.

=>

=> s 11 sss full
 FULL SEARCH INITIATED 17:07:04 FILE 'MARPAT'
 FULL SCREEN SEARCH COMPLETED - 2146 TO ITERATE

| | | |
|-----------------------|-----------------|------------|
| 99.6% PROCESSED | 2137 ITERATIONS | 17 ANSWERS |
| 100.0% PROCESSED | 2146 ITERATIONS | 17 ANSWERS |
| SEARCH TIME: 00.00.18 | | |

L3 17 SEA SSS FUL L1

| | | | |
|----------------------|--|------------|---------|
| => file caplus | | SINCE FILE | TOTAL |
| COST IN U.S. DOLLARS | | ENTRY | SESSION |
| FULL ESTIMATED COST | | 109.42 | 265.05 |

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FILE COVERS 1907 - 1 Mar 2004 VOL 140 ISS 10
 FILE LAST UPDATED: 29 Feb 2004 (20040229/ED)

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=> d his

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FILE 'REGISTRY' ENTERED AT 17:06:23 ON 01 MAR 2004

L1 STRUCTURE UPLOADED
 L2 18 S L1 SSS FULL

FILE 'MARPAT' ENTERED AT 17:06:53 ON 01 MAR 2004

L3 17 S L1 SSS FULL

FILE 'CAPLUS' ENTERED AT 17:07:28 ON 01 MAR 2004

=> s 12
 L4 5 L2

=> s 13

Spalax

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LOGINID: ssspta1611sxp

PASSWORD:

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DICTIONARY FILE UPDATES: 29 FEB 2004 HIGHEST RN 656221-41-9

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Please note that search-term pricing does apply when conducting SmartSELECT searches.

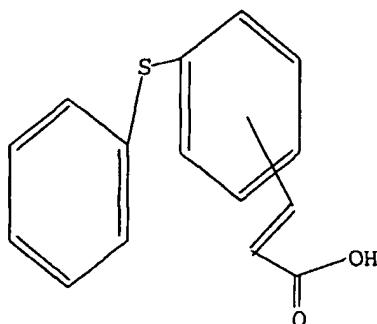
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L1 STRUCTURE UPLOADED

=> d 11
L1 HAS NO ANSWERS
L1 STR



G1 C,O,S,N,NH,CH2,CH

G2 CF3,X

G3 C,O,S,N,CH

Structure attributes must be viewed using STN Express query preparation.

```
=> s 11 sss full
FULL SEARCH INITIATED 17:14:59 FILE 'REGISTRY'
FULL SCREEN SEARCH COMPLETED - 687 TO ITERATE
```

```
100.0% PROCESSED 687 ITERATIONS 86 ANSWERS
SEARCH TIME: 00.00.01
```

```
L2 86 SEA SSS FUL L1
```

| | | | |
|----------------------|--|------------|---------|
| => file marpat | | SINCE FILE | TOTAL |
| COST IN U.S. DOLLARS | | ENTRY | SESSION |
| FULL ESTIMATED COST | | 155.42 | 155.63 |

```
FILE 'MARPAT' ENTERED AT 17:15:06 ON 01 MAR 2004
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```

```
FILE CONTENT: 1988-PRESENT (VOL 140 ISS 09) (20040227/ED)
```

```
MOST RECENT CITATIONS FOR PATENTS FROM FIVE MAJOR ISSUING AGENCIES
(COVERAGE TO THESE DATES IS NOT COMPLETE):
```

```
US 6683216 27 JAN 2004
DE 10317487 05 FEB 2004
EP 1388584 11 FEB 2004
JP 2004035475 05 FEB 2004
WO 2004009876 29 JAN 2004
```

```
Structure search limits have been raised. See HELP SLIMIT for the new,
higher limits.
```

```
=> s 11 sss full
FULL SEARCH INITIATED 17:15:12 FILE 'MARPAT'
FULL SCREEN SEARCH COMPLETED - 3971 TO ITERATE
```

09541795.20 Page 4

| | | |
|-----------------------|---------------------------------|------------|
| 98.3% PROCESSED | 3902 ITERATIONS | 43 ANSWERS |
| 99.4% PROCESSED | 3946 ITERATIONS (1 INCOMPLETE) | 45 ANSWERS |
| 100.0% PROCESSED | 3971 ITERATIONS (1 INCOMPLETE) | 45 ANSWERS |
| SEARCH TIME: 00.00.43 | | |

L3 45 SEA SSS FUL L1

| | | |
|----------------------|------------|---------|
| => file caold | | |
| COST IN U.S. DOLLARS | SINCE FILE | TOTAL |
| FULL ESTIMATED COST | ENTRY | SESSION |
| | 109.84 | 265.47 |

FILE 'CAOLD' ENTERED AT 17:16:02 ON 01 MAR 2004
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FILE COVERS 1907-1966
FILE LAST UPDATED: 01 May 1997 (19970501/UP)

This file contains CAS Registry Numbers for easy and accurate substance identification. Title keywords, authors, patent assignees, and patent information, e.g., patent numbers, are now searchable from 1907-1966. TIFF images of CA abstracts printed between 1907-1966 are available in the PAGE display formats.

This file supports REGISTRY for direct browsing and searching of all substance data from the REGISTRY file. Enter HELP FIRST for more information.

=> s l11 sss full
L4 0 LL1

=> s l1 sss full
REGISTRY INITIATED
Substance data SEARCH and crossover from CAS REGISTRY in progress...
Use DISPLAY HITSTR (or FHITSTR) to directly view retrieved structures.

FULL SEARCH INITIATED 17:16:27 FILE 'REGISTRY'
FULL SCREEN SEARCH COMPLETED - 687 TO ITERATE

| | | |
|-----------------------|----------------|------------|
| 100.0% PROCESSED | 687 ITERATIONS | 86 ANSWERS |
| SEARCH TIME: 00.00.01 | | |

L5 86 SEA SSS FUL L1

L6 1 L5

| | | | |
|----------------------|--|------------|---------|
| => file caplus | | | |
| COST IN U.S. DOLLARS | | SINCE FILE | TOTAL |
| | | ENTRY | SESSION |
| FULL ESTIMATED COST | | 0.42 | 423.46 |

FILE 'CAPLUS' ENTERED AT 17:16:39 ON 01 MAR 2004
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FILE COVERS 1907 - 1 Mar 2004 VOL 140 ISS 10
FILE LAST UPDATED: 29 Feb 2004 (20040229/ED)

This file contains CAS Registry Numbers for easy and accurate substance identification.

=> d his

(FILE 'HOME' ENTERED AT 17:14:25 ON 01 MAR 2004)

FILE 'REGISTRY' ENTERED AT 17:14:34 ON 01 MAR 2004

L1 STRUCTURE uploaded
L2 86 S L1 SSS FULL

FILE 'MARPAT' ENTERED AT 17:15:06 ON 01 MAR 2004

L3 45 S L1 SSS FULL

FILE 'CAOLD' ENTERED AT 17:16:02 ON 01 MAR 2004

L4 0 S LL1 SSS FULL
S L1

FILE 'REGISTRY' ENTERED AT 17:16:27 ON 01 MAR 2004

L5 86 S L1 SSS FULL

FILE 'CAOLD' ENTERED AT 17:16:27 ON 01 MAR 2004

L6 1 S L5 SSS FULL

FILE 'CAPLUS' ENTERED AT 17:16:39 ON 01 MAR 2004

=> s 12
L7 22 L2

=> s 13
L8 45 L3

=> s 1 6

59541795

Spontan

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PASSWORD:

TERMINAL (ENTER 1, 2, 3, OR ?):2

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NEWS 3 SEP 09 CA/CAplus records now contain indexing from 1907 to the present
NEWS 4 DEC 08 INPADOC: Legal Status data reloaded
NEWS 5 SEP 29 DISSABS now available on STN
NEWS 6 OCT 10 PCTFULL: Two new display fields added
NEWS 7 OCT 21 BIOSIS file reloaded and enhanced
NEWS 8 OCT 28 BIOSIS file segment of TOXCENTER reloaded and enhanced
NEWS 9 NOV 24 MSDS-CCOHS file reloaded
NEWS 10 DEC 08 CABAB reloaded with left truncation
NEWS 11 DEC 08 IMS file names changed
NEWS 12 DEC 09 Experimental property data collected by CAS now available in REGISTRY
NEWS 13 DEC 09 STN Entry Date available for display in REGISTRY and CA/CAplus
NEWS 14 DEC 17 DGENE: Two new display fields added
NEWS 15 DEC 18 BIOTECHNO no longer updated
NEWS 16 DEC 19 CROPU no longer updated; subscriber discount no longer available
NEWS 17 DEC 22 Additional INPI reactions and pre-1907 documents added to CAS databases
NEWS 18 DEC 22 IFIPAT/IFIUDB/IFICDB reloaded with new data and search fields
NEWS 19 DEC 22 ABI-INFORM now available on STN
NEWS 20 JAN 27 Source of Registration (SR) information in REGISTRY updated and searchable
NEWS 21 JAN 27 A new search aid, the Company Name Thesaurus, available in CA/CAplus
NEWS 22 FEB 05 German (DE) application and patent publication number format changes

NEWS EXPRESS DECEMBER 28 CURRENT WINDOWS VERSION IS V7.00, CURRENT MACINTOSH VERSION IS V6.0b(ENG) AND V6.0Jb(JP), AND CURRENT DISCOVER FILE IS DATED 23 SEPTEMBER 2003
NEWS HOURS STN Operating Hours Plus Help Desk Availability
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NEWS WWW CAS World Wide Web Site (general information)

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09849400.5 Page 2

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FILE 'HOME' ENTERED AT 16:15:14 ON 01 MAR 2004

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STRUCTURE FILE UPDATES: 29 FEB 2004 HIGHEST RN 656221-41-9
DICTIONARY FILE UPDATES: 29 FEB 2004 HIGHEST RN 656221-41-9

TSCA INFORMATION NOW CURRENT THROUGH JULY 14, 2003

Please note that search-term pricing does apply when conducting SmartSELECT searches.

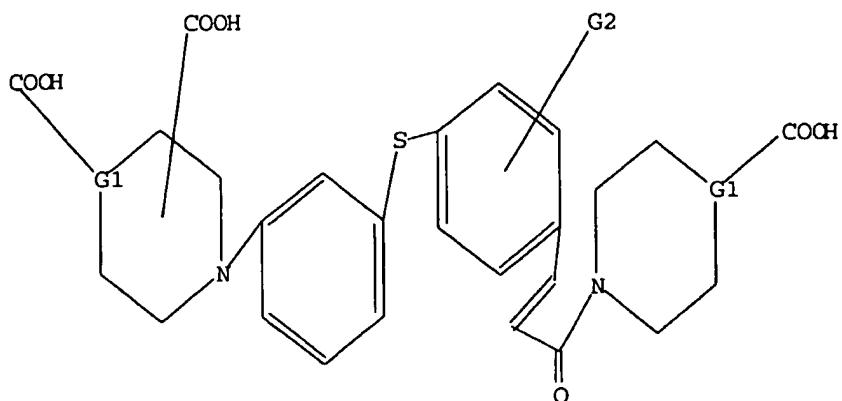
Crossover limits have been increased. See **HELP CROSSOVER** for details.

Experimental and calculated property data are now available. For more information enter HELP PROP at an arrow prompt in the file or refer to the file summary sheet on the web at:
<http://www.cas.org/ONLINE/DBSS/registryss.html>

=>
Uploading c:\program files\stnexp\queries\09541795.10

L1 STRUCTURE UPLOADED

=> d 11
L1 HAS NO ANSWERS
L1 STR

G1 C,O,S,N,NH,CH₂,CHG2 CF₃,X

Structure attributes must be viewed using STN Express query preparation.

=> s 11 sss full
 FULL SEARCH INITIATED 16:15:58 FILE 'REGISTRY'
 FULL SCREEN SEARCH COMPLETED - 0 TO ITERATE

100.0% PROCESSED 0 ITERATIONS 0 ANSWERS
 SEARCH TIME: 00.00.01

L2 0 SEA SSS FUL L1

=> log y
 COST IN U.S. DOLLARS SINCE FILE TOTAL
 FULL ESTIMATED COST ENTRY SESSION
 155.84 156.05

STN INTERNATIONAL LOGOFF AT 16:16:35 ON 01 MAR 2004

| L Number | Hits | Search Text | DB | Time stamp |
|----------|------|---|-------|------------------|
| 1 | 3778 | ("514/183,295,395,415,712").CCLS | USPAT | 2003/08/25 11:38 |
| 2 | 1722 | ("544/106,253,283,282").CCLS | USPAT | 2003/08/25 11:38 |
| 3 | 364 | ("546/183").CCLS | USPAT | 2003/08/25 11:38 |
| 4 | 267 | ("548/306,4").CCLS | USPAT | 2003/08/25 11:39 |
| 5 | 680 | ("549/362,469").CCLS | USPAT | 2003/08/25 11:39 |
| 6 | 460 | ("568/38,58").CCLS | USPAT | 2003/08/25 11:39 |
| 7 | 0 | ((("514/183,295,395,415,712").CCLS) and ((("544/106,253,283,282").CCLS) and ((("546/183").CCLS) and ((("548/306,4").CCLS) and ((("549/362,469").CCLS) and ((("568/38,58").CCLS) and ((("546/183").CCLS) and ((("548/306,4").CCLS) and ((("549/362,469").CCLS) and ((("568/38,58").CCLS) | USPAT | 2003/08/25 11:40 |



 Shashank

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NEWS 6 Feb 26 PCTFULL now contains images
NEWS 7 Mar 04 SDI PACKAGE for monthly delivery of multifile SDI results
NEWS 8 Mar 24 PATDPAFULL now available on STN
NEWS 9 Mar 24 Additional information for trade-named substances without structures available in REGISTRY
NEWS 10 Apr 11 Display formats in DGENE enhanced
NEWS 11 Apr 14 MEDLINE Reload
NEWS 12 Apr 17 Polymer searching in REGISTRY enhanced
NEWS 13 AUG 22 Indexing from 1927 to 1936 added to records in CA/CAPLUS
NEWS 14 Apr 21 New current-awareness alert (SDI) frequency in WPIDS/WPINDEX/WPIX
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NEWS 16 May 05 Pharmacokinetic information and systematic chemical names added to PHAR
NEWS 17 May 15 MEDLINE file segment of TOXCENTER reloaded
NEWS 18 May 15 Supporter information for ENCOMPPAT and ENCOMPLIT updated
NEWS 19 May 19 Simultaneous left and right truncation added to WSCA
NEWS 20 May 19 RAPRA enhanced with new search field, simultaneous left and right truncation
NEWS 21 Jun 06 Simultaneous left and right truncation added to CBNB
NEWS 22 Jun 06 PASCAL enhanced with additional data
NEWS 23 Jun 20 2003 edition of the FSTA Thesaurus is now available
NEWS 24 Jun 25 HSDB has been reloaded
NEWS 25 Jul 16 Data from 1960-1976 added to RDISCLOSURE
NEWS 26 Jul 21 Identification of STN records implemented
NEWS 27 Jul 21 Polymer class term count added to REGISTRY
NEWS 28 Jul 22 INPADOC: Basic index (/BI) enhanced; Simultaneous Left and Right Truncation available
NEWS 29 AUG 05 New pricing for EUROPATFULL and PCTFULL effective August 1, 2003
NEWS 30 AUG 13 Field Availability (/FA) field enhanced in BEILSTEIN
NEWS 31 AUG 15 PATDPAFULL: one FREE connect hour, per account, in September 2003
NEWS 32 AUG 15 PCTGEN: one FREE connect hour, per account, in September 2003
NEWS 33 AUG 15 RDISCLOSURE: one FREE connect hour, per account, in September 2003
NEWS 34 AUG 15 TEMA: one FREE connect hour, per account, in September 2003
NEWS 35 AUG 18 Data available for download as a PDF in RDISCLOSURE

NEWS 36 AUG 18 Simultaneous left and right truncation added to PASCAL
NEWS 37 AUG 18 FROSTI and KOSMET enhanced with Simultaneous Left and Right
Truncation
NEWS 38 AUG 18 Simultaneous left and right truncation added to ANABSTR

NEWS EXPRESS April 4 CURRENT WINDOWS VERSION IS V6.01a, CURRENT
MACINTOSH VERSION IS V6.0b(ENG) AND V6.0Jb(JP),
AND CURRENT DISCOVER FILE IS DATED 01 APRIL 2003

NEWS HOURS STN Operating Hours Plus Help Desk Availability
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NEWS WWW CAS World Wide Web Site (general information)

Enter NEWS followed by the item number or name to see news on that specific topic.

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★ ★ ★ ★ ★ ★ ★ ★ ★ ★ ★ ★ ★ ★ ★ ★ STN Columbus ★ ★ ★ ★ ★ ★ ★ ★ ★ ★ ★ ★ ★ ★ ★

FILE 'HOME' ENTERED AT 07:33:41 ON 25 AUG 2003

=> file reg
COST IN U.S. DOLLARS
SINCE FILE
ENTRY
TOTAL
SESSION
0.21
0.21
FULL ESTIMATED COST

FILE 'REGISTRY' ENTERED AT 07:33:51 ON 25 AUG 2003
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STRUCTURE FILE UPDATES: 22 AUG 2003 HIGHEST RN 571902-82-4
DICTIONARY FILE UPDATES: 22 AUG 2003 HIGHEST RN 571902-82-4

TSCA INFORMATION NOW CURRENT THROUGH JANUARY 6, 2003

Please note that search-term pricing does apply when conducting SmartSELECT searches.

Crossover limits have been increased. See HELP CROSSOVER for details.

Experimental and calculated property data are now available. See HELP PROPERTIES for more information. See STNote 27, Searching Properties in the CAS Registry File, for complete details:
<http://www.cas.org/ONLINE/STN/STNOTES/stnotes27.pdf>

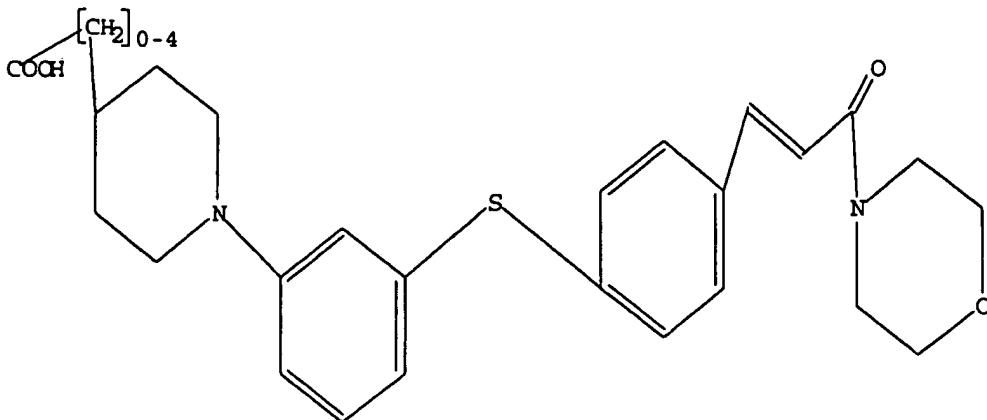
=> Uploading 09541795.5

L1 STRUCTURE UPLOADED

=> d 11

L1 HAS NO ANSWERS

L1 STR



Structure attributes must be viewed using STN Express query preparation.

=> s 11

SAMPLE SEARCH INITIATED 07:34:15 FILE 'REGISTRY'

SAMPLE SCREEN SEARCH COMPLETED - 1 TO ITERATE

100.0% PROCESSED 1 ITERATIONS 0 ANSWERS
SEARCH TIME: 00.00.01FULL FILE PROJECTIONS: ONLINE **COMPLETE**
BATCH **COMPLETE**

PROJECTED ITERATIONS: 1 TO 80

PROJECTED ANSWERS: 0 TO 0

L2 0 SEA SSS SAM L1

=> s 11sss full
L3 0 L1SSS=> s 11 sss full
FULL SEARCH INITIATED 07:34:33 FILE 'REGISTRY'
FULL SCREEN SEARCH COMPLETED - 7 TO ITERATE100.0% PROCESSED 7 ITERATIONS 2 ANSWERS
SEARCH TIME: 00.00.01

L4 2 SEA SSS FUL L1

=> file caold
COST IN U.S. DOLLARS
FULL ESTIMATED COST SINCE FILE ENTRY TOTAL
152.37 152.58
SESSION

FILE 'CAOLD' ENTERED AT 07:34:42 ON 25 AUG 2003

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PASSWORD:

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NEWS 22 Jun 06 PASCAL enhanced with additional data
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NEWS 31 AUG 15 PATDPAFULL: one FREE connect hour, per account, in September 2003
NEWS 32 AUG 15 PCTGEN: one FREE connect hour, per account, in September 2003
NEWS 33 AUG 15 RDISCLOSURE: one FREE connect hour, per account, in September 2003
NEWS 34 AUG 15 TEMA: one FREE connect hour, per account, in September 2003
NEWS 35 AUG 18 Data available for download as a PDF in RDISCLOSURE

NEWS 36 AUG 18 Simultaneous left and right truncation added to PASCAL
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Truncation
NEWS 38 AUG 18 Simultaneous left and right truncation added to ANABSTR

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FILE 'HOME' ENTERED AT 07:44:10 ON 25 AUG 2003

=> reg
REG IS NOT A RECOGNIZED COMMAND
The previous command name entered was not recognized by the system.
For a list of commands available to you in the current file, enter
"HELP COMMANDS" at an arrow prompt (=>).

```
=>
Uploading
THIS COMMAND NOT AVAILABLE IN THE CURRENT FILE
Do you want to switch to the Registry File?
Choice (Y/n):
Switching to the Registry File...
Some commands only work in certain files. For example, the EXPAND
command can only be used to look at the index in a file which has an
index. Enter "HELP COMMANDS" at an arrow prompt (=>) for a list of
commands which can be used in this file.
```

=> FILE REGISTRY

| COST IN U.S. DOLLARS | SINCE FILE ENTRY | TOTAL SESSION |
|----------------------|------------------|---------------|
| FULL ESTIMATED COST | 0.21 | 0.21 |

FILE 'REGISTRY' ENTERED AT 07:44:22 ON 25 AUG 2003
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STRUCTURE FILE UPDATES: 22 AUG 2003 HIGHEST RN 571902-82-4
 DICTIONARY FILE UPDATES: 22 AUG 2003 HIGHEST RN 571902-82-4

TSCA INFORMATION NOW CURRENT THROUGH JANUARY 6, 2003

Please note that search-term pricing does apply when conducting SmartSELECT searches.

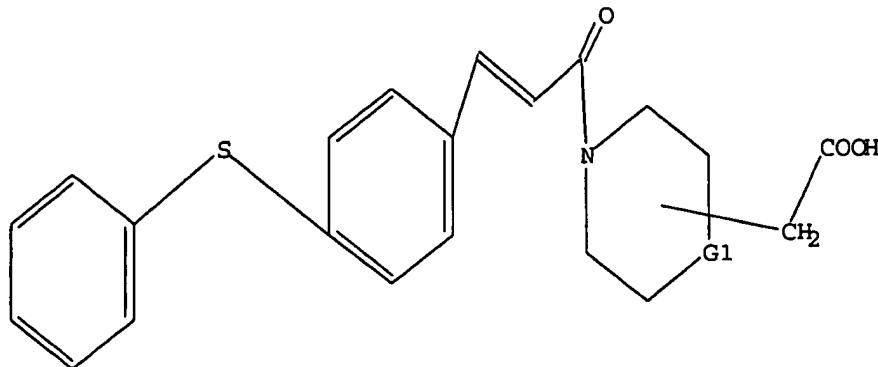
Crossover limits have been increased. See HELP CROSSOVER for details.

Experimental and calculated property data are now available. See HELP PROPERTIES for more information. See STNote 27, Searching Properties in the CAS Registry File, for complete details:
<http://www.cas.org/ONLINE/STN/STNOTES/stnotes27.pdf>

=>
 Uploading 09541795.6

L1 STRUCTURE UPLOADED

=> d 11
 L1 HAS NO ANSWERS
 L1 STR



G1 N, CH, NH

Structure attributes must be viewed using STN Express query preparation.

=> s 11
 SAMPLE SEARCH INITIATED 07:44:39 FILE 'REGISTRY'
 SAMPLE SCREEN SEARCH COMPLETED - 33 TO ITERATE

 100.0% PROCESSED 33 ITERATIONS 0 ANSWERS
 SEARCH TIME: 00.00.01

 FULL FILE PROJECTIONS: ONLINE **COMPLETE**
 BATCH **COMPLETE**
 PROJECTED ITERATIONS: 316 TO 1004
 PROJECTED ANSWERS: 0 TO 0

 L2 0 SEA SSS SAM L1

III

Welcome to STN International! Enter x:x

LOGINID: ssspta1611sxp

PASSWORD:
TERMINAL (ENTER 1, 2, 3, OR ?):2

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NEWS 12 Apr 17 Polymer searching in REGISTRY enhanced
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NEWS 15 Apr 28 RDISCLOSURE now available on STN
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NEWS 19 May 19 Simultaneous left and right truncation added to WSCA
NEWS 20 May 19 RAPRA enhanced with new search field, simultaneous left and right truncation
NEWS 21 Jun 06 Simultaneous left and right truncation added to CBNB
NEWS 22 Jun 06 PASCAL enhanced with additional data
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NEWS 28 Jul 22 INPADOC: Basic index (/BI) enhanced; Simultaneous Left and Right Truncation available
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NEWS 32 AUG 15 PCTGEN: one FREE connect hour, per account, in September 2003
NEWS 33 AUG 15 RDISCLOSURE: one FREE connect hour, per account, in September 2003
NEWS 34 AUG 15 TEMA: one FREE connect hour, per account, in September 2003
NEWS 35 AUG 18 Data available for download as a PDF in RDISCLOSURE

NEWS 36 AUG 18 Simultaneous left and right truncation added to PASCAL
NEWS 37 AUG 18 FROSTI and KOSMET enhanced with Simultaneous Left and Right
Truncation
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FILE 'REGISTRY' ENTERED AT 07:48:01 ON 25 AUG 2003
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STRUCTURE FILE UPDATES: 22 AUG 2003 HIGHEST RN 571902-82-4
DICTIONARY FILE UPDATES: 22 AUG 2003 HIGHEST RN 571902-82-4

TSCA INFORMATION NOW CURRENT THROUGH JANUARY 6, 2003

Please note that search-term pricing does apply when conducting SmartSELECT searches.

Crossover limits have been increased. See **HELP CROSSOVER** for details.

Experimental and calculated property data are now available. See HELP PROPERTIES for more information. See STNote 27, Searching Properties in the CAS Registry File, for complete details:
<http://www.cas.org/ONLINE/STN/STNOTES/stnotes27.pdf>

=>
Uploading 09541795.7

L1 STRUCTURE UPLOADED

=> d l1
L1 HAS NO ANSWERS
L1 STR
*** STRUCTURE DIAGRAM IS NOT AVAILABLE ***

Structure attributes must be viewed using STN Express query preparation.

=> s l1 sss full
FULL SEARCH INITIATED 07:48:28 FILE 'REGISTRY'
FULL SCREEN SEARCH COMPLETED - 70 TO ITERATE
100.0% PROCESSED 70 ITERATIONS 0 ANSWERS
SEARCH TIME: 00.00.01

L2 0 SEA SSS FUL L1

=> file caold
COST IN U.S. DOLLARS SINCE FILE TOTAL
ENTRY SESSION
FULL ESTIMATED COST 148.15 148.36

FILE 'CAOLD' ENTERED AT 07:48:34 ON 25 AUG 2003
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FILE COVERS 1907-1966
FILE LAST UPDATED: 01 May 1997 (19970501/UP)

This file contains CAS Registry Numbers for easy and accurate substance identification. Title keywords, authors, patent assignees, and patent information, e.g., patent numbers, are now searchable from 1907-1966. TIFF images of CA abstracts printed between 1907-1966 are available in the PAGE display formats.

This file supports REGISTRY for direct browsing and searching of all substance data from the REGISTRY file. Enter HELP FIRST for more information.

=> s l1 sss full
REGISTRY INITIATED
Substance data SEARCH and crossover from CAS REGISTRY in progress...
Use DISPLAY HITSTR (or FHITSTR) to directly view retrieved structures.

FULL SEARCH INITIATED 07:48:39 FILE 'REGISTRY'
FULL SCREEN SEARCH COMPLETED - 70 TO ITERATE

100.0% PROCESSED 70 ITERATIONS 0 ANSWERS
SEARCH TIME: 00.00.01

09541795.7

Page 4

L3 0 SEA SSS FUL L1

L4 0 L3

=> file marpat

| COST IN U.S. DOLLARS | SINCE FILE ENTRY | TOTAL SESSION |
|----------------------|------------------|---------------|
| FULL ESTIMATED COST | 0.40 | 297.31 |

FILE 'MARPAT' ENTERED AT 07:48:45 ON 25 AUG 2003
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FILE CONTENT: 1988-PRESENT (VOL 104 ISS 15-VOL 139 ISS08) (20030822ED)

MOST RECENT CITATIONS FOR PATENTS FROM FIVE MAJOR ISSUING AGENCIES
(COVERAGE TO THESE DATES IS NOT COMPLETE):

US 6596259 22 JUL 2003
DE 20300703 31 JUL 2003
EP 1331259 30 JUL 2003
JP 2003207510 25 JUL 2003
WO 2003061387 31 JUL 2003

Structure search limits have been raised. See HELP SLIMIT for the new,
higher limits.

=> s 11 sss full
FULL SEARCH INITIATED 07:48:51 FILE 'MARPAT'
FULL SCREEN SEARCH COMPLETED - 1005 TO ITERATE

100.0% PROCESSED 1005 ITERATIONS 0 ANSWERS
SEARCH TIME: 00.00.03

L5 0 SEA SSS FUL L1

=> log y
COST IN U.S. DOLLARS
FULL ESTIMATED COST

| SINCE FILE ENTRY | TOTAL SESSION |
|------------------|---------------|
| 104.55 | 401.86 |

STN INTERNATIONAL LOGOFF AT 07:49:00 ON 25 AUG 2003

Welcome to STN International! Enter x:x

LOGINID: ssspta1611sxp

PASSWORD:

TERMINAL (ENTER 1, 2, 3, OR ?):2

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NEWS 11 Apr 14 MEDLINE Reload
NEWS 12 Apr 17 Polymer searching in REGISTRY enhanced
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NEWS 31 AUG 15 PATDPAFULL: one FREE connect hour, per account, in September 2003
NEWS 32 AUG 15 PCTGEN: one FREE connect hour, per account, in September 2003
NEWS 33 AUG 15 RDISCLOSURE: one FREE connect hour, per account, in September 2003
NEWS 34 AUG 15 TEMA: one FREE connect hour, per account, in September 2003
NEWS 35 AUG 18 Data available for download as a PDF in RDISCLOSURE

NEWS 36 AUG 18 Simultaneous left and right truncation added to PASCAL
NEWS 37 AUG 18 FROSTI and KOSMET enhanced with Simultaneous Left and Right
Truncation
NEWS 38 AUG 18 Simultaneous left and right truncation added to ANABSTR

NEWS EXPRESS April 4 CURRENT WINDOWS VERSION IS V6.01a, CURRENT
MACINTOSH VERSION IS V6.0b(ENG) AND V6.0Jb(JP),
AND CURRENT DISCOVER FILE IS DATED 01 APRIL 2003

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NEWS LOGIN Welcome Banner and News Items
NEWS PHONE Direct Dial and Telecommunication Network Access to STN
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Enter NEWS followed by the item number or name to see news on that specific topic.

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STRUCTURE FILE UPDATES: 22 AUG 2003 HIGHEST RN 571902-82-4
DICTIONARY FILE UPDATES: 22 AUG 2003 HIGHEST RN 571902-82-4

TSCA INFORMATION NOW CURRENT THROUGH JANUARY 6, 2003

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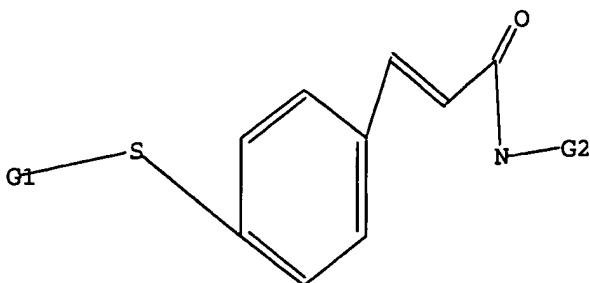
Crossover limits have been increased. See **HELP CROSSOVER** for details.

Experimental and calculated property data are now available. See HELP PROPERTIES for more information. See STNote 27, Searching Properties in the CAS Registry File, for complete details:
<http://www.cas.org/ONLINE/STN/STNOTES/stnotes27.pdf>

=>
Uploading 09541795.8

L1 STRUCTURE UPLOADED

=> d 11
 L1 HAS NO ANSWERS
 L1 STR



G1 Cb,Cy,Hy
 G2 H,Cb,Cy,Hy,Ak,OH,COOH

Structure attributes must be viewed using STN Express query preparation.

=> s 11 sss full
 FULL SEARCH INITIATED 07:56:19 FILE 'REGISTRY'
 FULL SCREEN SEARCH COMPLETED - 7248 TO ITERATE

100.0% PROCESSED 7248 ITERATIONS 282 ANSWERS
 SEARCH TIME: 00.00.01

L2 282 SEA SSS FUL L1

=> file caold
 COST IN U.S. DOLLARS SINCE FILE TOTAL
 FULL ESTIMATED COST ENTRY SESSION
 148.55 148.76

FILE 'CAOLD' ENTERED AT 07:56:36 ON 25 AUG 2003
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FILE COVERS 1907-1966
 FILE LAST UPDATED: 01 May 1997 (19970501/UP)

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This file supports REGISTRY for direct browsing and searching of all substance data from the REGISTRY file. Enter HELP FIRST for more information.

=> s 11 sss full

Welcome to STM International! Enter x:x

LOGINID: sssptal611sxp

PASSWORD:

TERMINAL (ENTER 1, 2, 3, OR ?):2

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Truncation
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NEWS EXPRESS April 4 CURRENT WINDOWS VERSION IS V6.01a, CURRENT
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DICTIONARY FILE UPDATES: 22 AUG 2003 HIGHEST RN 571902-82-4

TSCA INFORMATION NOW CURRENT THROUGH JANUARY 6, 2003

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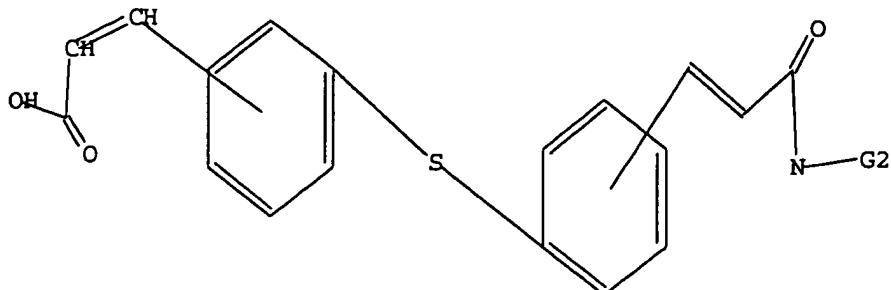
Crossover limits have been increased. See **HELP CROSSOVER** for details.

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<http://www.cas.org/ONLINE/STN/STNOTES/stnotes27.pdf>

=> Uploading 09541795.9

L1 STRUCTURE UPLOADED

=> d 11
 L1 HAS NO ANSWERS
 L1 STR



G1 Cb,Cy,Hy
 G2 H,Cb,Cy,Hy,Ak,OH,COOH

Structure attributes must be viewed using STN Express query preparation.

=> s 11 sss full
 FULL SEARCH INITIATED 08:20:32 FILE 'REGISTRY'
 FULL SCREEN SEARCH COMPLETED - 27 TO ITERATE

100.0% PROCESSED 27 ITERATIONS 0 ANSWERS
 SEARCH TIME: 00.00.01

L2 0 SEA SSS FUL L1

=> file caold
 COST IN U.S. DOLLARS SINCE FILE TOTAL
 ENTRY SESSION
 FULL ESTIMATED COST 148.15 148.36

FILE 'CAOLD' ENTERED AT 08:20:38 ON 25 AUG 2003
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This file supports REGISTRY for direct browsing and searching of all substance data from the REGISTRY file. Enter HELP FIRST for more information.

Welcome to STN International! Enter x:x

LOGINID: ssspta1611sxp

PASSWORD:

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FILE 'HOME' ENTERED AT 08:46:10 ON 25 AUG 2003

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DICTIONARY FILE UPDATES: 22 AUG 2003 HIGHEST RN 571902-82-4

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=>
Uploading 09541795.15

L1 STRUCTURE UPLOADED

=> 11

L1 IS NOT A RECOGNIZED COMMAND

The previous command name entered was not recognized by the system.

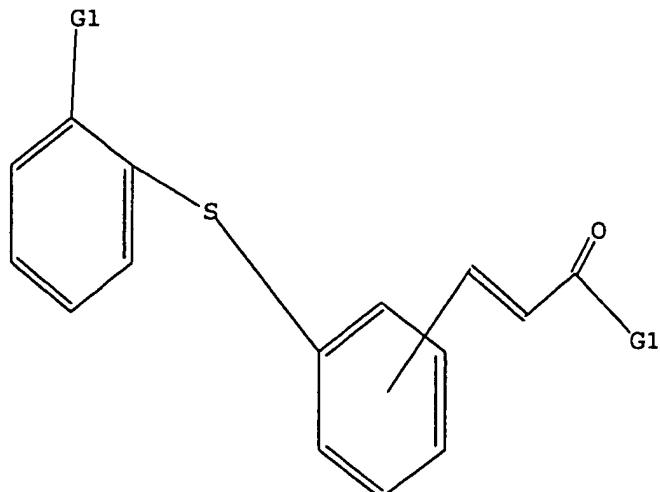
For a list of commands available to you in the current file, enter

"HELP COMMANDS" at an arrow prompt (=>).

=> d 11

L1 HAS NO ANSWERS

L1 STR



G1 OH,MeO,EtO,n-PrO,i-PrO,n-BuO,i-BuO,s-BuO,t-BuO,PhO

Structure attributes must be viewed using STN Express query preparation.

=> s 11 sss full

FULL SEARCH INITIATED 08:46:58 FILE 'REGISTRY'

FULL SCREEN SEARCH COMPLETED - 454 TO ITERATE

100.0% PROCESSED 454 ITERATIONS
SEARCH TIME: 00.00.01

14 ANSWERS

L2 14 SEA SSS FUL L1

=> file caold

COST IN U.S. DOLLARS

SINCE FILE

FULL ESTIMATED COST

ENTRY

TOTAL

148.15

SESSION

148.36

FILE 'CAOLD' ENTERED AT 08:47:04 ON 25 AUG 2003
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FILE COVERS 1907-1966

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